ENSAFE
creative thinking. custom solutions. ®

December 11, 2023

Mr. Christopher Aucoin, PhD
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Via email: Christopher.Aucoin@dec.ny.gov

Re: Progress Report: November 2023
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Aucoin,

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID Nos. 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in November 2023 for the onsite air sparge/soil vapor extraction (AS/SVE) and groundwater extraction systems.

Air Sparge/Soil Vapor Extraction System – Operable Unit 1

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A). During the month of November, no alarm calls were received.

- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on November 17. Samples were obtained by EnviroTrac and results are included in Appendix B. Samples were collected directly into Summa canisters and submitted to Con-Test (Pace Analytical Laboratories) and analyzed by Method TO-15.

  — Photoionization detector (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [24,510 µg/m^3]) continue to indicate significant mass extraction.

  — Effluent concentrations are above the carbon exchange indicator concentrations and PID readings indicate breakthrough has occurred; a carbon exchange is scheduled for December 27, 2023. This rapid breakthrough is likely due to the October 2023 AS well repairs.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800	ft^3/min
Compound	**Annual Mass Emission Limit[1] (lbs/year)**	**Carbon Exchange Required Indicator Concentration ($\mu g/m^3$)[2]**	**November 2023 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	22,000
Tetrachloroethene	1,000	38,000	64,000
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	1,900

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

$\mu g/m^3$ micrograms per cubic meter

1 Source of Mass Emission Limit: Part 212-2.2 Table 2 — High Toxicity Air Contaminant List

2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit to demonstrate compliance with Part 212 without having to perform compound-specific analyses.

3 Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of November.

Groundwater Sampling

The fourth quarter 2023 groundwater sampling event was performed October 3 through 5, 2023. The electronic data deliverable was uploaded to NYSDEC on November 28, 2023. Results will be submitting in the forthcoming groundwater monitoring report.

If you have any questions or require additional information, please do not hesitate to contact me at 860-665-1140 or astark@ensafe.com.

Sincerely,
EnSafe, Inc., by

Alexandra M. J. Stark

Alexandra Stark, P.E.

Attachments

Copies: A. Tamuno, Esq., NYSDEC *Via email to amtamuno@gw.dec.state.ny.us*
C. Bethoney, NYSDOH *Via email to charlotte.bethoney@health.ny.gov*
J. Nealon, NYSDOH *Via email to jacquelyn.nealon@health.ny.gov*
R. Putnam, NCDOH *Via email to rputnam@nassaucountyny.gov*

J. Vazquez, U.S. EPA	*Via email to vazquez.julio@epa.gov*
T. Pupilla, Sanders Equities	*Via email to tpupilla@sandersequities.com*
J. Privitera, Esq., WOH	*Via email to jprivitera@woh.com*
T. Ruane, WOH	*Via email to truane@woh.com*
P. Coop, EnSafe	*Via email to pcoop@ensafe.com*
J. Wilkinson, Envirotrac	*Via email to jamesw@envirotrac.com*

Appendix A
AS/SVE System Operation and Maintenance Logs

Operation & Maintenance Data Sheet
Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 16-Nov
Weather / Temp: Sunny / 50 DEG
Technician / Operator: JW

Arrival Time: 13:00
Departure Time: 15:30

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	ON	ON	AS Compressor 1 (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	OFF	OFF	AS Compressor 2 (ON/OFF)	OFF	OFF
			Air Cooler (ON/OFF)	ON	ON

Soil Vapor Extraction System

Blower Air Velocity/Flow Rate (fpm)/(cfm)	3400	668	Blower 1 Total Runtime (hrs)	72,198.9
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	71,813.8
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	48		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		VGAC-1 Influent PID (ppm)	3
VGAC-1 Influent Vacuum ("H2O)	36		VGAC-1 Effluent PID (ppm)	7
VGAC-1 Effluent Vacuum ("H2O)	40		VGAC-2 Influent PID (ppm)	3
VGAC-2 Influent Vacuum ("H2O)	36		VGAC-2 Effluent PID (ppm)	7
VGAC-2 Effluent Vacuum ("H2O)	40		VGAC-3 Influent PID (ppm)	8
VGAC-3 Influent Pressure ("H2O)	6		VGAC-3 Effluent PID (ppm)	6
VGAC-3 Effluent Pressure ("H2O)	2		Blower Effluent PID (ppm)	9
VGAC-3 Influent Temp (DegF)	134		Transfer Pump Total Runtime (hrs)	25,119.2
Blower Effluent Pressure ("H2O)	15		Condensate Storage Tank Level (gal)	150

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	42	6500	142	6	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	3600	79	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	49	4000	87	5	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2400	52	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4600	100	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	5500	120	8
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	33	3600	79	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	37	2400	52	0

Air Sparge System

Compressor 1 Pressure (psi)	14	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	22,166.0	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)		Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	80	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	19	AS Manifold Temperature (degF)	76
Air Cooler Outlet Pressure (psi)	17.5	AS Manifold Pressure	15

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	17	13	AS-11 (psi)/(cfm)	15	10
AS-2 (psi)/(cfm)	16	7	AS-12B (psi)/(cfm)	16	8
AS-3 (psi)/(cfm)	15	15	AS-13B (psi)/(cfm)	16	8
AS-4 (psi)/(cfm)	15	1	AS-14 (psi)/(cfm)	16	9
AS-5 (psi)/(cfm)	16	10	AS-15 (psi)/(cfm)	16	10
AS-6 (psi)/(cfm)	17	9	AS-16B (psi)/(cfm)	16	7
AS-7 (psi)/(cfm)	17	5	AS-17 (psi)/(cfm)	17	6
AS-8 (psi)/(cfm)	15	10	AS-18 (psi)/(cfm)	16	10
AS-9 (psi)/(cfm)	17	10	AS-19 (psi)/(cfm)	15	7
AS-10B (psi)/(cfm)	16	9			

Notes, Comments & Observations:

Collected monthly sample.

Switched GAC-3 to pressure side of the blower.

Inspection, Maintenance, Lubrication Schedule
Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 16-Nov
Weather / Temp: Sunny / 50 DEG
Technician / Operator: JW

Arrival Time: 13:00
Departure Time: 15:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/27/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/27/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 7/31/23
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

Appendix B
AS/SVE System Influent/Effluent Sampling
Laboratory Analytical Results

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 29, 2023

James Wilkinson
EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980

Project Location: Westbury, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 23K2480

Enclosed are results of analyses for samples as received by the laboratory on November 17, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980
ATTN: James Wilkinson

REPORT DATE: 11/29/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23K2480

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Westbury, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE EFFLUENT	23K2480-01	Soil Gas		- EPA TO-15	
SVE INFLUENT	23K2480-02	Soil Gas		- EPA TO-15	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23K2480-01[SVE EFFLUENT], 23K2480-02[SVE INFLUENT]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Acetone
23K2480-01[SVE EFFLUENT], 23K2480-02[SVE INFLUENT], B359241-BLK1, B359241-BS1, S096978-CCV1

Naphthalene
23K2480-01[SVE EFFLUENT], 23K2480-02[SVE INFLUENT], B359241-BLK1, B359241-BS1, S096978-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 11/17/2023
Field Sample #: SVE EFFLUENT
Sample ID: 23K2480-01
Sample Matrix: Soil Gas
Sampled: 11/16/2023 15:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 2277
Canister Size: 3 liter
Flow Controller ID: 4689
Sample Type: 15 min

Work Order: 23K2480
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -6.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	300	V-05	ND	710	150	11/21/23 15:31	CMR
Benzene	ND	7.5		ND	24	150	11/21/23 15:31	CMR
Benzyl chloride	ND	7.5		ND	39	150	11/21/23 15:31	CMR
Bromodichloromethane	ND	7.5		ND	50	150	11/21/23 15:31	CMR
Bromoform	ND	7.5		ND	78	150	11/21/23 15:31	CMR
Bromomethane	ND	7.5		ND	29	150	11/21/23 15:31	CMR
1,3-Butadiene	ND	7.5		ND	17	150	11/21/23 15:31	CMR
2-Butanone (MEK)	ND	300		ND	880	150	11/21/23 15:31	CMR
Carbon Disulfide	ND	75		ND	230	150	11/21/23 15:31	CMR
Carbon Tetrachloride	ND	7.5		ND	47	150	11/21/23 15:31	CMR
Chlorobenzene	ND	7.5		ND	35	150	11/21/23 15:31	CMR
Chloroethane	ND	7.5		ND	20	150	11/21/23 15:31	CMR
Chloroform	ND	7.5		ND	37	150	11/21/23 15:31	CMR
Chloromethane	ND	15		ND	31	150	11/21/23 15:31	CMR
Cyclohexane	ND	7.5		ND	26	150	11/21/23 15:31	CMR
Dibromochloromethane	ND	7.5		ND	64	150	11/21/23 15:31	CMR
1,2-Dibromoethane (EDB)	ND	7.5		ND	58	150	11/21/23 15:31	CMR
1,2-Dichlorobenzene	ND	7.5		ND	45	150	11/21/23 15:31	CMR
1,3-Dichlorobenzene	ND	7.5		ND	45	150	11/21/23 15:31	CMR
1,4-Dichlorobenzene	ND	7.5		ND	45	150	11/21/23 15:31	CMR
Dichlorodifluoromethane (Freon 12)	ND	7.5		ND	37	150	11/21/23 15:31	CMR
1,1-Dichloroethane	ND	7.5		ND	30	150	11/21/23 15:31	CMR
1,2-Dichloroethane	ND	7.5		ND	30	150	11/21/23 15:31	CMR
1,1-Dichloroethylene	ND	7.5		ND	30	150	11/21/23 15:31	CMR
cis-1,2-Dichloroethylene	470	7.5		1900	30	150	11/21/23 15:31	CMR
trans-1,2-Dichloroethylene	ND	7.5		ND	30	150	11/21/23 15:31	CMR
1,2-Dichloropropane	ND	7.5		ND	35	150	11/21/23 15:31	CMR
cis-1,3-Dichloropropene	ND	7.5		ND	34	150	11/21/23 15:31	CMR
trans-1,3-Dichloropropene	ND	7.5		ND	34	150	11/21/23 15:31	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	7.5		ND	52	150	11/21/23 15:31	CMR
1,4-Dioxane	ND	75		ND	270	150	11/21/23 15:31	CMR
Ethanol	ND	300		ND	570	150	11/21/23 15:31	CMR
Ethyl Acetate	ND	75		ND	270	150	11/21/23 15:31	CMR
Ethylbenzene	ND	7.5		ND	33	150	11/21/23 15:31	CMR
4-Ethyltoluene	ND	7.5		ND	37	150	11/21/23 15:31	CMR
Heptane	ND	7.5		ND	31	150	11/21/23 15:31	CMR
Hexachlorobutadiene	ND	7.5		ND	80	150	11/21/23 15:31	CMR

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 11/17/2023
Field Sample #: SVE EFFLUENT
Sample ID: 23K2480-01
Sample Matrix: Soil Gas
Sampled: 11/16/2023 15:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 2277
Canister Size: 3 liter
Flow Controller ID: 4689
Sample Type: 15 min

Work Order: 23K2480
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -6.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	300		ND	1100	150	11/21/23 15:31	CMR
2-Hexanone (MBK)	ND	7.5		ND	31	150	11/21/23 15:31	CMR
Isopropanol	ND	300		ND	740	150	11/21/23 15:31	CMR
Methyl tert-Butyl Ether (MTBE)	ND	7.5		ND	27	150	11/21/23 15:31	CMR
Methylene Chloride	ND	75		ND	260	150	11/21/23 15:31	CMR
4-Methyl-2-pentanone (MIBK)	ND	7.5		ND	31	150	11/21/23 15:31	CMR
Naphthalene	ND	7.5	V-05	ND	39	150	11/21/23 15:31	CMR
Propene	ND	300		ND	520	150	11/21/23 15:31	CMR
Styrene	ND	7.5		ND	32	150	11/21/23 15:31	CMR
1,1,2,2-Tetrachloroethane	ND	7.5		ND	51	150	11/21/23 15:31	CMR
Tetrachloroethylene	9400	30		64000	200	600	11/21/23 15:58	CMR
Tetrahydrofuran	ND	75		ND	220	150	11/21/23 15:31	CMR
Toluene	ND	7.5		ND	28	150	11/21/23 15:31	CMR
1,2,4-Trichlorobenzene	ND	7.5		ND	56	150	11/21/23 15:31	CMR
1,1,1-Trichloroethane	ND	7.5		ND	41	150	11/21/23 15:31	CMR
1,1,2-Trichloroethane	ND	7.5		ND	41	150	11/21/23 15:31	CMR
Trichloroethylene	4100	7.5		22000	40	150	11/21/23 15:31	CMR
Trichlorofluoromethane (Freon 11)	ND	30		ND	170	150	11/21/23 15:31	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	30		ND	230	150	11/21/23 15:31	CMR
1,2,4-Trimethylbenzene	ND	7.5		ND	37	150	11/21/23 15:31	CMR
1,3,5-Trimethylbenzene	ND	7.5		ND	37	150	11/21/23 15:31	CMR
Vinyl Acetate	ND	150		ND	530	150	11/21/23 15:31	CMR
Vinyl Chloride	ND	7.5		ND	19	150	11/21/23 15:31	CMR
m&p-Xylene	ND	15		ND	65	150	11/21/23 15:31	CMR
o-Xylene	ND	7.5		ND	33	150	11/21/23 15:31	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.8	70-130	11/21/23 15:31
4-Bromofluorobenzene (1)	93.8	70-130	11/21/23 15:58

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 11/17/2023
Field Sample #: SVE INFLUENT
Sample ID: 23K2480-02
Sample Matrix: Soil Gas
Sampled: 11/16/2023 15:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 2412
Canister Size: 3 liter
Flow Controller ID: 4588
Sample Type: 15 min

Work Order: 23K2480
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst
Acetone	ND	300	V-05	ND	710	150	11/21/23 16:27	CMR
Benzene	ND	7.5		ND	24	150	11/21/23 16:27	CMR
Benzyl chloride	ND	7.5		ND	39	150	11/21/23 16:27	CMR
Bromodichloromethane	ND	7.5		ND	50	150	11/21/23 16:27	CMR
Bromoform	ND	7.5		ND	78	150	11/21/23 16:27	CMR
Bromomethane	ND	7.5		ND	29	150	11/21/23 16:27	CMR
1,3-Butadiene	ND	7.5		ND	17	150	11/21/23 16:27	CMR
2-Butanone (MEK)	ND	300		ND	880	150	11/21/23 16:27	CMR
Carbon Disulfide	ND	75		ND	230	150	11/21/23 16:27	CMR
Carbon Tetrachloride	ND	7.5		ND	47	150	11/21/23 16:27	CMR
Chlorobenzene	ND	7.5		ND	35	150	11/21/23 16:27	CMR
Chloroethane	ND	7.5		ND	20	150	11/21/23 16:27	CMR
Chloroform	ND	7.5		ND	37	150	11/21/23 16:27	CMR
Chloromethane	ND	15		ND	31	150	11/21/23 16:27	CMR
Cyclohexane	ND	7.5		ND	26	150	11/21/23 16:27	CMR
Dibromochloromethane	ND	7.5		ND	64	150	11/21/23 16:27	CMR
1,2-Dibromoethane (EDB)	ND	7.5		ND	58	150	11/21/23 16:27	CMR
1,2-Dichlorobenzene	ND	7.5		ND	45	150	11/21/23 16:27	CMR
1,3-Dichlorobenzene	ND	7.5		ND	45	150	11/21/23 16:27	CMR
1,4-Dichlorobenzene	ND	7.5		ND	45	150	11/21/23 16:27	CMR
Dichlorodifluoromethane (Freon 12)	ND	7.5		ND	37	150	11/21/23 16:27	CMR
1,1-Dichloroethane	ND	7.5		ND	30	150	11/21/23 16:27	CMR
1,2-Dichloroethane	ND	7.5		ND	30	150	11/21/23 16:27	CMR
1,1-Dichloroethylene	ND	7.5		ND	30	150	11/21/23 16:27	CMR
cis-1,2-Dichloroethylene	100	7.5		410	30	150	11/21/23 16:27	CMR
trans-1,2-Dichloroethylene	ND	7.5		ND	30	150	11/21/23 16:27	CMR
1,2-Dichloropropane	ND	7.5		ND	35	150	11/21/23 16:27	CMR
cis-1,3-Dichloropropene	ND	7.5		ND	34	150	11/21/23 16:27	CMR
trans-1,3-Dichloropropene	ND	7.5		ND	34	150	11/21/23 16:27	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	7.5		ND	52	150	11/21/23 16:27	CMR
1,4-Dioxane	ND	75		ND	270	150	11/21/23 16:27	CMR
Ethanol	380	300		720	570	150	11/21/23 16:27	CMR
Ethyl Acetate	ND	75		ND	270	150	11/21/23 16:27	CMR
Ethylbenzene	ND	7.5		ND	33	150	11/21/23 16:27	CMR
4-Ethyltoluene	ND	7.5		ND	37	150	11/21/23 16:27	CMR
Heptane	ND	7.5		ND	31	150	11/21/23 16:27	CMR
Hexachlorobutadiene	ND	7.5		ND	80	150	11/21/23 16:27	CMR

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 11/17/2023
Field Sample #: SVE INFLUENT
Sample ID: 23K2480-02
Sample Matrix: Soil Gas
Sampled: 11/16/2023 15:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 2412
Canister Size: 3 liter
Flow Controller ID: 4588
Sample Type: 15 min

Work Order: 23K2480
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	300		ND	1100	150	11/21/23 16:27	CMR
2-Hexanone (MBK)	ND	7.5		ND	31	150	11/21/23 16:27	CMR
Isopropanol	ND	300		ND	740	150	11/21/23 16:27	CMR
Methyl tert-Butyl Ether (MTBE)	ND	7.5		ND	27	150	11/21/23 16:27	CMR
Methylene Chloride	ND	75		ND	260	150	11/21/23 16:27	CMR
4-Methyl-2-pentanone (MIBK)	ND	7.5		ND	31	150	11/21/23 16:27	CMR
Naphthalene	ND	7.5	V-05	ND	39	150	11/21/23 16:27	CMR
Propene	ND	300		ND	520	150	11/21/23 16:27	CMR
Styrene	ND	7.5		ND	32	150	11/21/23 16:27	CMR
1,1,2,2-Tetrachloroethane	ND	7.5		ND	51	150	11/21/23 16:27	CMR
Tetrachloroethylene	3400	7.5		23000	51	150	11/21/23 16:27	CMR
Tetrahydrofuran	ND	75		ND	220	150	11/21/23 16:27	CMR
Toluene	ND	7.5		ND	28	150	11/21/23 16:27	CMR
1,2,4-Trichlorobenzene	ND	7.5		ND	56	150	11/21/23 16:27	CMR
1,1,1-Trichloroethane	ND	7.5		ND	41	150	11/21/23 16:27	CMR
1,1,2-Trichloroethane	ND	7.5		ND	41	150	11/21/23 16:27	CMR
Trichloroethylene	200	7.5		1100	40	150	11/21/23 16:27	CMR
Trichlorofluoromethane (Freon 11)	ND	30		ND	170	150	11/21/23 16:27	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	30		ND	230	150	11/21/23 16:27	CMR
1,2,4-Trimethylbenzene	ND	7.5		ND	37	150	11/21/23 16:27	CMR
1,3,5-Trimethylbenzene	ND	7.5		ND	37	150	11/21/23 16:27	CMR
Vinyl Acetate	ND	150		ND	530	150	11/21/23 16:27	CMR
Vinyl Chloride	ND	7.5		ND	19	150	11/21/23 16:27	CMR
m&p-Xylene	ND	15		ND	65	150	11/21/23 16:27	CMR
o-Xylene	ND	7.5		ND	33	150	11/21/23 16:27	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.7	70-130	11/21/23 16:27

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method:TO-15 Prep **Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23K2480-01 [SVE EFFLUENT]	B359241	1.5	100	10	1000	200	200	11/21/23
23K2480-01RE1 [SVE EFFLUENT]	B359241	1.5	100	10	1000	200	50	11/21/23
23K2480-02 [SVE INFLUENT]	B359241	1.5	100	10	1000	200	200	11/21/23

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B359241 - TO-15 Prep											
Blank (B359241-BLK1)					Prepared & Analyzed: 11/21/23						
Acetone	ND	0.80									V-05
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									V-05
Propene	ND	0.80									
Styrene	ND	0.020									

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B359241 - TO-15 Prep											
Blank (B359241-BLK1)					Prepared & Analyzed: 11/21/23						
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*7.89*				*8.00*		*98.6*	*70-130*			
LCS (B359241-BS1)					Prepared & Analyzed: 11/21/23						
Acetone	3.64				5.00		72.7	70-130			V-05
Benzene	5.11				5.00		102	70-130			
Benzyl chloride	5.02				5.00		100	70-130			
Bromodichloromethane	4.73				5.00		94.5	70-130			
Bromoform	5.51				5.00		110	70-130			
Bromomethane	5.05				5.00		101	70-130			
1,3-Butadiene	4.63				5.00		92.6	70-130			
2-Butanone (MEK)	4.94				5.00		98.8	70-130			
Carbon Disulfide	4.94				5.00		98.9	70-130			
Carbon Tetrachloride	5.11				5.00		102	70-130			
Chlorobenzene	5.28				5.00		106	70-130			
Chloroethane	4.35				5.00		86.9	70-130			
Chloroform	5.56				5.00		111	70-130			
Chloromethane	4.20				5.00		83.9	70-130			
Cyclohexane	5.09				5.00		102	70-130			
Dibromochloromethane	5.39				5.00		108	70-130			
1,2-Dibromoethane (EDB)	5.10				5.00		102	70-130			
1,2-Dichlorobenzene	5.10				5.00		102	70-130			
1,3-Dichlorobenzene	5.49				5.00		110	70-130			
1,4-Dichlorobenzene	5.51				5.00		110	70-130			
Dichlorodifluoromethane (Freon 12)	4.75				5.00		95.0	70-130			
1,1-Dichloroethane	4.19				5.00		83.7	70-130			
1,2-Dichloroethane	4.64				5.00		92.8	70-130			
1,1-Dichloroethylene	4.68				5.00		93.6	70-130			
cis-1,2-Dichloroethylene	5.25				5.00		105	70-130			
trans-1,2-Dichloroethylene	4.18				5.00		83.5	70-130			
1,2-Dichloropropane	5.23				5.00		105	70-130			

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B359241 - TO-15 Prep											
LCS (B359241-BS1)					Prepared & Analyzed: 11/21/23						
cis-1,3-Dichloropropene	5.06				5.00		101	70-130			
trans-1,3-Dichloropropene	5.42				5.00		108	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.38				5.00		87.7	70-130			
1,4-Dioxane	4.87				5.00		97.4	70-130			
Ethanol	4.50				5.00		90.0	70-130			
Ethyl Acetate	4.55				5.00		91.0	70-130			
Ethylbenzene	5.21				5.00		104	70-130			
4-Ethyltoluene	5.54				5.00		111	70-130			
Heptane	5.10				5.00		102	70-130			
Hexachlorobutadiene	3.88				4.25		91.3	70-130			
Hexane	4.77				5.00		95.4	70-130			
2-Hexanone (MBK)	4.55				5.00		91.0	70-130			
Isopropanol	3.92				5.00		78.3	70-130			
Methyl tert-Butyl Ether (MTBE)	4.51				5.00		90.2	70-130			
Methylene Chloride	4.10				5.00		82.0	70-130			
4-Methyl-2-pentanone (MIBK)	5.11				5.00		102	70-130			
Naphthalene	3.90				3.68		106	70-130			V-05
Propene	6.05				5.00		121	70-130			
Styrene	5.42				5.00		108	70-130			
1,1,2,2-Tetrachloroethane	5.10				5.00		102	70-130			
Tetrachloroethylene	5.35				5.00		107	70-130			
Tetrahydrofuran	5.13				5.00		103	70-130			
Toluene	5.10				5.00		102	70-130			
1,2,4-Trichlorobenzene	3.99				3.90		102	70-130			
1,1,1-Trichloroethane	4.65				5.00		93.1	70-130			
1,1,2-Trichloroethane	5.51				5.00		110	70-130			
Trichloroethylene	4.81				5.00		96.2	70-130			
Trichlorofluoromethane (Freon 11)	5.03				5.00		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.08				5.00		102	70-130			
1,2,4-Trimethylbenzene	5.15				5.00		103	70-130			
1,3,5-Trimethylbenzene	5.05				5.00		101	70-130			
Vinyl Acetate	5.13				5.00		103	70-130			
Vinyl Chloride	4.61				5.00		92.1	70-130			
m&p-Xylene	10.3				10.0		103	70-130			
o-Xylene	5.09				5.00		102	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.34*				*8.00*		*104*	*70-130*			

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S096978-CCV1)			Lab File ID: L23A325004.D			Analyzed: 11/21/23 10:32			
Bromochloromethane (1)	281566	2.864				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	893998	3.539				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	813568	5.196				60 - 140		+/-0.50	
LCS (B359241-BS1)			Lab File ID: L23A325005.D			Analyzed: 11/21/23 10:59			
Bromochloromethane (1)	280154	2.865	281566	2.864	99	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	897864	3.539	893998	3.539	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	827789	5.196	813568	5.196	102	60 - 140	0.0000	+/-0.50	
Blank (B359241-BLK1)			Lab File ID: L23A325008.D			Analyzed: 11/21/23 12:33			
Bromochloromethane (1)	270192	2.864	281566	2.864	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	852739	3.537	893998	3.539	95	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	775490	5.194	813568	5.196	95	60 - 140	-0.0020	+/-0.50	
SVE EFFLUENT (23K2480-01)			Lab File ID: L23A325013.D			Analyzed: 11/21/23 15:31			
Bromochloromethane (1)	261753	2.864	281566	2.864	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	819784	3.538	893998	3.539	92	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	765163	5.195	813568	5.196	94	60 - 140	-0.0010	+/-0.50	
SVE EFFLUENT (23K2480-01RE1)			Lab File ID: L23A325014.D			Analyzed: 11/21/23 15:58			
Bromochloromethane (1)	264778	2.864	281566	2.864	94	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	820118	3.538	893998	3.539	92	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	746779	5.195	813568	5.196	92	60 - 140	-0.0010	+/-0.50	
SVE INFLUENT (23K2480-02)			Lab File ID: L23A325015.D			Analyzed: 11/21/23 16:27			
Bromochloromethane (1)	266455	2.864	281566	2.864	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	827719	3.538	893998	3.539	93	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	752154	5.195	813568	5.196	92	60 - 140	-0.0010	+/-0.50	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S096978-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.41	1.122255	0.7650753		-31.8	30 *
Benzene	A	5.00	4.95	0.7254293	0.7180276		-1.0	30
Benzyl chloride	A	5.00	4.42	0.65192	0.5767208		-11.5	30
Bromodichloromethane	A	5.00	4.51	0.5567047	0.5019931		-9.8	30
Bromoform	A	5.00	5.22	0.4926101	0.5140812		4.4	30
Bromomethane	A	5.00	4.79	0.6308676	0.6046469		-4.2	30
1,3-Butadiene	A	5.00	4.23	0.551149	0.4661699		-15.4	30
2-Butanone (MEK)	A	5.00	4.50	1.381604	1.244014		-10.0	30
Carbon Disulfide	A	5.00	4.59	2.063757	1.894018		-8.2	30
Carbon Tetrachloride	A	5.00	5.06	0.5110368	0.516615		1.1	30
Chlorobenzene	A	5.00	5.20	0.7219812	0.7505153		4.0	30
Chloroethane	A	5.00	3.98	0.411751	0.3276532		-20.4	30
Chloroform	A	5.00	5.38	1.439332	1.547147		7.5	30
Chloromethane	A	5.00	4.03	0.6101459	0.4921901		-19.3	30
Cyclohexane	A	5.00	4.97	0.3030286	0.3009474		-0.7	30
Dibromochloromethane	A	5.00	5.15	0.5644122	0.5810219		2.9	30
1,2-Dibromoethane (EDB)	A	5.00	4.96	0.5076449	0.5034869		-0.8	30
1,2-Dichlorobenzene	A	5.00	4.77	0.6234765	0.5946645		-4.6	30
1,3-Dichlorobenzene	A	5.00	5.30	0.6267236	0.6649347		6.1	30
1,4-Dichlorobenzene	A	5.00	5.10	0.5801365	0.5919741		2.0	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.63	1.768079	1.636669		-7.4	30
1,1-Dichloroethane	A	5.00	4.12	1.392824	1.147945		-17.6	30
1,2-Dichloroethane	A	5.00	4.54	0.9772927	0.8883175		-9.1	30
1,1-Dichloroethylene	A	5.00	4.36	1.127187	0.9819595		-12.9	30
cis-1,2-Dichloroethylene	A	5.00	5.24	0.908952	0.9519104		4.7	30
trans-1,2-Dichloroethylene	A	5.00	3.94	1.128232	0.8892835		-21.2	30
1,2-Dichloropropane	A	5.00	5.03	0.2601948	0.2615684		0.5	30
cis-1,3-Dichloropropene	A	5.00	5.35	0.3962271	0.423924		7.0	30
trans-1,3-Dichloropropene	A	5.00	4.62	0.3522842	0.325522		-7.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.57	1.784687	1.629827		-8.7	30
1,4-Dioxane	A	5.00	4.69	0.1742852	0.1636353		-6.1	30
Ethanol	A	5.00	4.42	0.1732414	0.1531605		-11.6	30
Ethyl Acetate	A	5.00	4.28	0.2390169	0.2045645		-14.4	30
Ethylbenzene	A	5.00	5.21	1.176902	1.226599		4.2	30
4-Ethyltoluene	A	5.00	5.11	1.247069	1.274927		2.2	30
Heptane	A	5.00	4.92	0.2286847	0.2249759		-1.6	30
Hexachlorobutadiene	A	5.00	3.54	0.4755616	0.3362354		-29.3	30
Hexane	A	5.00	4.44	0.7442178	0.6615742		-11.1	30

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S096978-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Hexanone (MBK)	A	5.00	4.66	0.5993899	0.5581557		-6.9	30	
Isopropanol	A	5.00	4.23	1.180699	0.9981717		-15.5	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.15	2.130891	1.769935		-16.9	30	
Methylene Chloride	A	5.00	4.03	0.8716214	0.7032838		-19.3	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	5.01	0.2414371	0.2419674		0.2	30	
Naphthalene	A	5.00	3.36	0.954618	0.6408472		-32.9	30	*
Propene	A	5.00	5.66	0.4075236	0.4608795		13.1	30	
Styrene	A	5.00	5.34	0.6680173	0.7140576		6.9	30	
1,1,2,2-Tetrachloroethane	A	5.00	4.88	0.6838293	0.6677175		-2.4	30	
Tetrachloroethylene	A	5.00	5.35	0.4174566	0.4465269		7.0	30	
Tetrahydrofuran	A	5.00	4.58	0.9111963	0.8341348		-8.5	30	
Toluene	A	5.00	5.06	0.9385805	0.9505821		1.3	30	
1,2,4-Trichlorobenzene	A	5.00	3.54	0.3693275	0.2612138		-29.3	30	
1,1,1-Trichloroethane	A	5.00	4.94	0.5075792	0.5015635		-1.2	30	
1,1,2-Trichloroethane	A	5.00	5.25	0.309655	0.3251888		5.0	30	
Trichloroethylene	A	5.00	4.78	0.3356598	0.3209081		-4.4	30	
Trichlorofluoromethane (Freon 11)	A	5.00	4.85	1.816743	1.762781		-3.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.95	1.436582	1.422888		-1.0	30	
1,2,4-Trimethylbenzene	A	5.00	5.04	1.021302	1.029309		0.8	30	
1,3,5-Trimethylbenzene	A	5.00	5.15	1.055296	1.087439		3.0	30	
Vinyl Acetate	A	5.00	5.36	1.463541	1.569786		7.3	30	
Vinyl Chloride	A	5.00	4.50	0.7105757	0.6397136		-10.0	30	
m&p-Xylene	A	10.0	10.2	0.9711506	0.990981		2.0	30	
o-Xylene	A	5.00	4.99	0.9550518	0.9531289		-0.2	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
1,3-Butadiene	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Isopropanol	NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

Pace Analytical®

23C2480

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

http://www.pacelabs.com

DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name:	EnviroTrac
Address:	5 Old Dock Rd Yaphank, NY 11980
Phone:	631 924 3001
Project Name:	Frost St 001
Project Location:	Westbury, NY
Project Number:	
Project Manager:	JIM WILKINSON
Pace Quote Name/Number:	
Invoice Recipient:	JIM WILKINSON
Sampled By:	JIM WILKINSON

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: jamesw@envirotrac.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume					" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	m³/min L/min	Code	Liters m³	T2-15				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	SVE EFFLUENT	15:00	15:10	10		SG		4				29	7	4.9	4689	2277
02	SVE INFLUENT	15:07	15:23	16		SG		4				30	6	4.5	2412	4588

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments:
Both samples collected 11/16/23.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)		Date/Time:
Received by: (signature)	Kristen Coburn	Date/Time: 11/17/23 1211
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

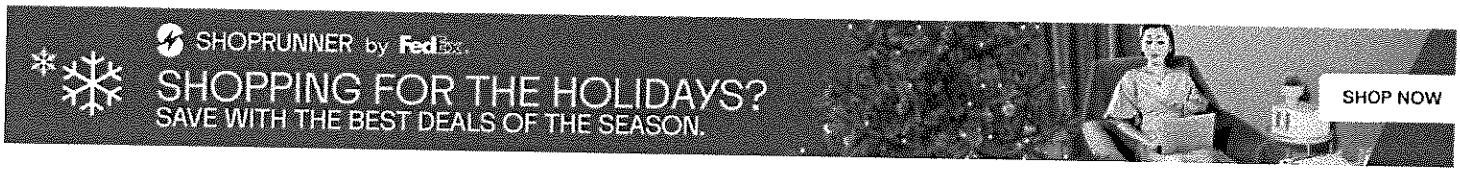
Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

FedEx

FedEx® Tracking



DELIVERED

Friday

11/17/23 at 12:11 PM

Signed for by: AMIRANDA

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

774052009430

FROM
YAPHANK, NY US

WE HAVE YOUR PACKAGE
BETHPAGE, NY
11/16/23 4:15 PM

ON THE WAY
WINDSOR, CT
11/17/23 6:26 AM

OUT FOR DELIVERY
WINDSOR, CT
11/17/23 6:34 AM

DELIVERED
East Longmeadow, MA US

Delivered
11/17/23 at 12:11 PM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL
Contestlab39

SUBMIT

MORE OPTIONS

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EnviroTrac

Project Frost St 001

MCP/RCP Required

Deliverable Package Requirement

Location Westbury, NY

PWSID# (When Applicable)

Arrival Method FedEX 7746 5200 9430

Received By / Date / Time KMC 11/17/23 1211

Back-Sheet By / Date / Time KMC 11/17/23 1330

Temperature ~~Method~~ # ☐

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☐	☒
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	2	3L	2	15min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s														
1	2277	6		11		16		Regs #'s		5		10		15	
2	2412	7		12		17		1	4689	6		11		16	
3		8		13		18		2	4588	7		12		17	
4		9		14		19		3		8		13		18	
Unused Media		4		9		14		4		9		14		19	
1		5		10		15		Pufs/TO-17's		5		10		15	
2		6		11		16		1		6		11		16	
3		7		12		17		2		7		12		17	
4		8		13		18		3		8		13		18	
								4		9		14		19	

Qualtrax ID: 127034

Page 1 of 1